Sericron® Talc

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 9/11/2012 Revision date: 2/15/2023 Supersedes: 4/20/2020 Version: 2.3

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Product name	:	Sericron® Talc
Product code	:	C-MS-AT-2040SERICON
Other means of identification	:	SERICRON® 2M, SERICRON® 3M, SERICRON® 4M, SERICRON® 5M, SERICRON® 6M, SERICRON® W2M, SERICRON® 7M

1.2. Recommended use and restrictions on use

Use of the substance/mixture	:	Mineral additive
Restrictions on use	:	Anything other than the above

1.3. Supplier

Barretts Minerals Inc.
8625 Highway 91 South
Dillon,. MT 59725
USA
Telephone: 406-683-3323

EU Supplier:
Minteq Europe Ltd (Minteq International Inc.)
Tivoli Industrial Estate
Cork - Ireland
Telephone: +353 21 4503241 - Fax: +353 21 4506352
E-mail: sds@minteq.com

1.4. Emergency telephone number

Emergency number	:	+1 760 476 3962 3E Global Emergency Response Services. Access code: 333336 (if you mention SDS name and company name-you don't need the access code)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Carcinogenicity, Category 1A	H350	May cause cancer (Inhalation).
Specific target organ toxicity – Single exposure, Category 1	H370	Causes damage to organs (lung/respiratory system) (Inhalation).

Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :

Signal word (GHS US)	:	Danger
Hazard statements (GHS US)	:	H350 - May cause cancer (Inhalation). H370 - Causes damage to organs (lung/respiratory system) (Inhalation).

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P405 - Store locked up.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract. Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Talc	CAS-No.: 14807-96-6	50 - 80	Not classified
Chlorite-group minerals	CAS-No.: 1318-59-8	10 - 30	Not classified
Dolomite	CAS-No.: 16389-88-1	5 - 10	Not classified
Magnesite	CAS-No.: 7760-50-1	1 - 5	Not classified
Calcite	CAS-No.: 1317-65-3	1 - 5	Not classified
Quartz	CAS-No.: 14808-60-7	0.1 – 1	Carc. 1A, H350 STOT SE 3, H335 STOT SE 1, H370

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If symptoms develop, obtain medical attention.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Potential adverse human health effects and symptoms : Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract. May cause cancer (if inhaled). May cause damage to organs (lungs) through prolonged or repeated exposure (Inhalation).

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Not combustible. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

Fire hazard : None known.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Use personal protective equipment as required.
Emergency procedures : Ventilate area. Avoid dust formation. Do not breathe dust. Avoid contact with eyes, skin and clothing. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Where excessive dust may result, wear approved mask.
Emergency procedures : Ventilate area. Avoid dust formation. Do not breathe dust. Wear independent breathing equipment. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Notify authorities if large amounts of the product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Minimise generation of dust. Do not dry sweep dust. Collect using vacuum cleaner fitted with HEPA filter. Dispose in a safe manner in accordance with local/national regulations.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid contact with skin and eyes.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use.

Incompatible materials : None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sericron® Talc

No additional information available

Talc (14807-96-6)

USA - ACGIH - Occupational Exposure Limits

Local name	Talc
ACGIH TWA (mg/m³)	2 mg/m³ (Containing no asbestos fibers. E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter) 2 mg/m³ (Containing asbestos fibers. R - Respirable particulate matter)
ACGIH TWA (ppm)	0.1 fibers/cm³ (Containing asbestos fibers. F - Respirable fibers)
Remark (ACGIH)	Containing no asbestos fibers = TLV® Basis: Pulm fibrosis; pulm func. Notations: A4 Containing asbestos fibers = TLV® Basis: Pneumoconiosis; lung cancer; mesothelioma. Notations: A1 (Confirmed Human Carcinogen)
Regulatory reference	ACGIH 2022

USA - OSHA - Occupational Exposure Limits

Local name	Talc (not containing asbestos) (Silicates (less than 1% crystalline silica))
OSHA PEL TWA [2]	20 mppcf
Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

Chlorite-group minerals (1318-59-8)

No additional information available

Dolomite (16389-88-1)

No additional information available

Quartz (14808-60-7)

USA - ACGIH - Occupational Exposure Limits

Local name	Silica crystaline - quartz
ACGIH TWA (mg/m³)	0.025 mg/m³ (R - Respirable particulate matter)

Quartz (14808-60-7)	
Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2022
USA - OSHA - Occupational Exposure Limits	
Local name	Quartz (Respirable) (Silica: Crystalline)
OSHA PEL (TWA) (mg/m³)	0.05 mg/m³ [Action level: 0.025 mg/m³]
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA): Use formulas: (250 / (%SiO2+5)) for mppcf and (10 mg/m3 / (%SiO2+2)) for mg/m3. CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

Magnesite (7760-50-1)
No additional information available

Calcite (1317-65-3)	
USA - OSHA - Occupational Exposure Limits	
Local name	Calcium Carbonate (Limestone; Marble)
OSHA PEL (TWA) (mg/m³)	15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide appropriate exhaust ventilation at places where dust is formed. Ensure exposure is below occupational exposure limits (where available). Local exhaust ventilation (LEV) may be required to control inhalation exposure.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Wear chemically resistant protective gloves.

Eye protection:
Chemical goggles or safety glasses

Skin and body protection:
Use chemically protective clothing

Respiratory protection:
Dust mask or respirator

Thermal hazard protection:
Not required for normal conditions of use.

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	White. Powder.
Colour	:	White
Odour	:	None
Odour threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Flammability (solid, gas)	:	Not flammable.
Vapour pressure	:	No data available
Relative vapour density at 20°C	:	No data available
Relative density	:	2.8 (Water = 1)
Solubility	:	Water: Insoluble
Log Pow	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive limits	:	No data available
Explosive properties	:	Not explosive.
Oxidising properties	:	Not oxidising.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Dust formation.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Talc (14807-96-6)	
LD50 oral, rat	> 5000 mg/kg (OECD 423 method)

Calcite (1317-65-3)	
LD50 oral, rat	> 5000 mg/kg

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : May cause cancer (Inhalation).

Talc (14807-96-6)	
IARC group	3 - Not classifiable, 2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Not listed by NTP, ACGIH, OSHA, or NIOSH

Quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans

Reproductive toxicity : Not classified

Talc (14807-96-6)	
NOAEL (animal/female, F0/P)	> 900 mg/kg bodyweight/day rabbit (OECD 416 method)

STOT-single exposure : Causes damage to organs (lung/respiratory system) (Inhalation).

Quartz (14808-60-7)	
STOT-single exposure	May cause respiratory irritation. Causes damage to organs (lungs) (Inhalation).

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Potential adverse human health effects and symptoms : Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract. May cause cancer (if inhaled). May cause damage to organs (lungs) through prolonged or repeated exposure (Inhalation).

Other information : IARC: In 2006, IARC concluded that inhaled talc not containing asbestos or asbestiform fibers is not classifiable as a human carcinogen (Group 3). IARC concluded that there is limited evidence that the use of talc-based body powder for perineal dusting is a possible risk factor for ovarian cancer (Group 2B). This is not a route of exposure relevant to workers and applies only to one specific use of talc.

NTP: In 2000, NTP reviewed both “talc containing asbestiform fibers” and “talc not containing asbestiform fibers,” and did not list either type in light of continuing uncertainty in the scientific literature. The NTP did not consider the ovarian cancer studies in the evaluation of talc not containing asbestiform fibers because it was unclear if the talc used in these studies might have been contaminated with asbestos. 66 Fed. Reg. 13,334 (Mar. 5, 2001).

U.S.FDA: In 2009 – 2010, U.S. FDA conducted a survey of currently marketed cosmetic products containing talc- as well as the talc in the cosmetic products, and found no asbestos fibers or structures. FDA continues to monitor new information concerning talc safety. There are epidemiology studies on this subject in the reported literature that should be consulted for further information.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified.

Talc (14807-96-6)	
LC50 fish	89581.02 mg/l - 96 Hours (freshwater fish, QSAR)
EC50 Daphnia	36812.36 mg/l - 48 Hours (freshwater invertebrates, QSAR)
LC50 fish 2	110000 mg/l - 96 Hours (marine water fish, QSAR)
EC50 96h - Algae [1]	7202.7 mg/l - 96 Hours (freshwater algae, QSAR)
NOEC, marine water fish, acute	5 979.72 mg/l (30 days, QSAR)
NOEC, marine water fish, Chronic	1 412.65 mg/l (30 days, QSAR)
NOEC, freshwater invertebrates, Chronic	1 459.80 mg/l (30 days, QSAR)
NOEC, freshwater algae, Chronic	918.80 mg/l (30 days, QSAR)

12.2. Persistence and degradability

Sericron® Talc	
Persistence and degradability	Not relevant for inorganic substances.

Talc (14807-96-6)	
Persistence and degradability	Not relevant for inorganic substances.

12.3. Bioaccumulative potential

Sericron® Talc	
Bioaccumulative potential	Not relevant for inorganic substances.

Talc (14807-96-6)	
BCF - Fish [1]	3.162 l/kg (Whole body, Freshwater, QSAR)
Log Pow	-9.4 (25 °C, pH 7), (QSAR)
Bioaccumulative potential	No potential for bioaccumulation.

12.4. Mobility in soil

Sericron® Talc	
Ecology - soil	No information available.

Talc (14807-96-6)	
Ecology - soil	Insoluble in water.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not applicable

TDG
Transport hazard class(es) (TDG) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Sericron® Talc	
SARA Section 311/312 Hazard Classes	Health hazard - Carcinogenicity Health hazard - Specific target organ toxicity (single or repeated exposure)

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Talc	14807-96-6	Present	Active	
Chlorite-group minerals	1318-59-8	Not present	-	
Dolomite	16389-88-1	Present	Active	
Quartz	14808-60-7	Present	Active	
Magnesite	7760-50-1	Not present	-	
Calcite	1317-65-3	Present	Active	

15.2. International regulations

CANADA

Talc (14807-96-6)
Listed on the Canadian DSL (Domestic Substances List)

Chlorite-group minerals (1318-59-8)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

Dolomite (16389-88-1)
Listed on the Canadian NDSL (Non-Domestic Substances List)

Quartz (14808-60-7)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Sericron® Talc
All naturally occuring components of this product are automatically included in the USEPA TSCA inventory list per 4- CFR 710.4 (b). All other components are on the USEPA TSCA inventory list Generally acceptable for use in vanilla powder and vanilla-vanillan powder under food standards 21 CFR 169.179 and 169.182 Generally Recognized As Safe as an anti-caking agent in table salt up to 2% (21 CFR 182.2437) Generally approved for use as a pigment or colorant under 21 CFR 175.300, 175.380, 175.390, 176.170, 177.1210, 177.1350, 177.1460 Generally approved for use as a colorant only as components of paper and paperboard in contact with aqueous fatty foods (21 CFR 176.170)

Talc (14807-96-6)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Quartz (14808-60-7)
Listed on IARC (International Agency for Research on Cancer) Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

WARNING: This product can expose you to , which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
Talc(14807-96-6)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Quartz(14808-60-7)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Calcite(1317-65-3)	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision date : 2/15/2023
Data sources : US OSHA HazCom (GHS) 25 May 2012.

Full text of H-phrases	
H335	May cause respiratory irritation.
H350	May cause cancer.
H370	Causes damage to organs.

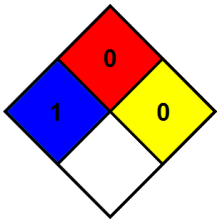
Abbreviations and acronyms	
	ACGIH (American Conference of Government Industrial Hygienists)
	ATE (Acute Toxicity Estimate)

Abbreviations and acronyms	
	CAS (Chemical Abstracts Service) number
	DNEL (Derived No Effect Level)
	EC50 (Effective Concentration 50%)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	OECD (Organisation for Economic Co-operation and Development)
	OSHA (Occupational Safety and Health Administration) (US)
	PBT (Persistent, Bioaccumulative and Toxic)
	PNEC (Predicted No Effect Concentration)
	QSAR (Quantitative Structure-Activity Relationship)
	STEL (Short Term Exposure Limit)
	TSCA (Toxic Substances Control Act) (US)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)
	vPvB (very Persistent and very Bioaccumulative)

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

: * - Chronic (long-term) health effects may result from repeated overexposure

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : E - Safety glasses, Gloves, Dust respirator

Indication of changes:			
Section	**Changed item**	**Change**	**Comments**
1	Identification	Modified	No additional information available
3	Composition/information on ingredients	Modified	No additional information available
7	Handling and storage	Modified	No additional information available

Neither Minerals Technologies Inc., nor any of its affiliates ("MTI") shall be responsible for the use of information, product, method, or apparatus herein presented ("Information"), and you must make your own determination as to its suitability and completeness for your own use, for the protection of the environment, and for health and safety purposes. You assume the entire risk of relying on this information. In no event shall MTI be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information. By providing this information, MTI neither can nor intends to control the method or manner by which you use, handle, store, or transport MTI products. Nothing herein shall be construed as a recommendation or license to use any Information that conflicts with any patent, trademark or copyright. Material Safety Data Sheets providing safety precautions that should be observed in handling and storing MTI products are available upon request. You should obtain and review the available material safety information before handling any of these products.

MTI MAKES NO PRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE REGARDING THIS INFORMATION, AND NOTHING HEREIN WAIVES ANY CONDITIONS OF SALE. This information could include technical inaccuracies or typographical errors. Changes are periodically added to the information herein; these changes will be incorporated in revisions of the information. MTI may make improvements and/or changes in the product(s) described in this information at any given time.